



# Science Report to the Governor: Scenario Analysis

## Overall Description

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Public Interest Energy Research  
(PIER) Program  
California Energy Commission

# Background Information

- ❑ The California Climate Center (Center) was created to complement on-going research at the national and international levels to produce policy relevant research products for California
- ❑ The science report is a mid-course report of on-going research that implements an initial 5-year research plan
- ❑ As was done for the PNAS study, we are using a **scenario** approach with two global emission scenarios and two global climate models.



# Structure of the Study

- ❑ Climate Projections for California
- ❑ Climate Sensitive Sectors
  - Water Resources
  - Agriculture
  - Coastal
  - Forest/Wildfire
  - Public Health
- ❑ Synthesis of Potential Impacts and Coping Capacity

# Research Team

Climate Scenarios	Scripps: Dan Cayan, Myre Tyre, Mike Dettinger; Santa Clara University: Ed Maurer
Water Resources	UC Berkeley: Michael Hanemann, John Dracup; NHI: David Purkey; UC Davis: Jay Lund; LBNL: Norman Miller, Larry Dale
Agriculture	UC Berkeley: Andrew Gutierrez, Dennis Baldocchi, M. Hanemann; UC Davis: Louise Jackson, Kate Scow; Columbia University: Wolfram Schlenker
Coastal	Scripps: Dan Cayan, Peter Bromirski; NCAR: Susanne Mozer; University of Illinois: Katharine Hayhoe; UCLA: Linwood Pendleton; UC Berkeley: M. Hanemann; UCS: Amy Luers
Forestry	Scripps: Tony Westerling; LBNL: Norman Miller, Margaret Torn; University of Illinois: Katharine Hayhoe; USDA: Ron Neilson; UC Berkeley: John Battles, Max Moritz, Keith Gilles; UCS: Amy Lynd Luers
Air Quality/Public Health	UC Davis: Michael Kleeman and staff from ARB
Overall Technical Management	California Climate Change Center: Dan Cayan, Michael Hanemann, Guido Franco



# **Presentations**

- ❑ **Ed Maurer** – Emissions and Climate Scenarios
- ❑ **Amy Luers** – Forest Sector
- ❑ **Peter Bromirski** – Coastal Resources
- ❑ **Bart Croes** – Air Quality/Public Health
- ❑ **Michael Hanemann**- Agriculture and Water Resources